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CENTRAL FAX CENTER****JAN 12 2004****PATENT**

Attorney Docket No. 24584

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

VIA FACSIMILE-(703) 746-5149

VAN DUIJN et al.

Examiner: J. Goldberg

Serial No.: 09/973,180

Art Unit: 1634

Filed: October 10, 2001

For: **DIAGNOSTICS AND THERAPEUTICS FOR AUTOSOMAL DOMINANT
HEMOCHROMATOSIS****TRANSMITTAL LETTER**Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark
Office are the following:

- 1) Transmittal Letter; and
- 2) Supplemental Amendment.

The Commissioner is hereby specifically authorized to
charge any fee deficiency or credit any overpayment to our Deposit
Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC

Date:

January 12, 2004

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For: **DIAGNOSTICS AND THERAPEUTICS FOR AUTOSOMAL DOMINANT
HEMOCHROMATOSIS****SUPPLEMENTAL RESPONSE TO OFFICIAL ACTION**Commissioner for Patents
Washington, D.C. 20231

Sir:

This is supplemental to the response to the Official Action dated October 23, 2003. In view of the following amendments and remarks, applicants respectfully request the Examiner to reconsider and withdraw the outstanding rejections and allow all claims pending in this application.

Please amend the application as follows.

IN THE CLAIMS

Please amend claims 1, 6, 29, and 30 and cancel claims 27-28 without any prejudice or disclaimer to the subject matter expressed therein as indicated in the complete listing of all claims in the application set forth below.

Claim 1. (Currently Amended) An isolated DNA sequence ~~up to 20 kb in length~~ comprising a nucleic acid sequence that is SEQ ID NO: 1.